

INSTALLATION MANUAL

Universal Front Bumper Kit — Model 190-679

WARNING

**READ AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS IN THIS MANUAL.
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.**

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

Thank You

Thank you for purchasing a Front Bumper kit manufactured by MTD LLC. It was carefully engineered to provide excellent performance when properly installed and maintained.

Please read this entire manual prior to installing and operating the equipment. It instructs you how to safely and easily install this bumper kit onto your machine.

All the information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Operator's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. MTD LLC reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

If you have any problems or questions concerning this product, phone your local authorized MTD service dealer or contact us directly. MTD's Customer Support telephone numbers, website address and mailing address can be found below. We want to ensure your complete satisfaction at all times.

Throughout this manual, all references to *right* and *left* side of the machine are observed from the operating position

The engine manufacturer is responsible for all engine-related issues with regards to performance, power-rating, specifications, warranty and service. Please refer to the engine manufacturer's Owner's/Operator's Manual, packed separately with your machine, for more information.

Customer Support

Please do NOT return this bumper kit to the retailer or dealer without first contacting our Customer Support Department.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of your machine, you can seek help from the experts. Choose from the options below:

- ◇ Visit us on the web at www.mtdproducts.com
- ◇ Call a Customer Support Representative at (800) 800-7310 or (330) 220-4683
- ◇ Write us at MTD LLC • P.O. Box 361131 • Cleveland, OH • 44136-0019

Determine The Model of Your Rider

This manual is designed for installation of your new bumper kit attachment on several different tractor platforms. It is important for you to determine which model of tractor that you have.

To determine the model of tractor, locate the model plate found underneath the seat. The model plate consists of an 11 digit/letter model number and a serial number. For ease in this installation and for future use, copy your tractor's model number & serial number below now:

Rider Model Number: _____ 

Rider Serial Number: _____

Note: This information is also important should you have to call MTD for any reason regarding this installation process.

The 5th number in your model number determine your rider's model series.

Sample Model Number

1 3 A M 7 9 0 G 0 0 0

└─┬─┘
Indicates Model Series 700

When you fill in your model number in the space above, the actual model series number should fall into the gray shaded area.

Follow the instructions that pertain to that particular model. For instance, 100, 600, 800, 900 newer 700 model series follow one set of instructions. And older 700 model series follows the other set of instructions.

Before beginning installation, remove all parts from the carton to make sure everything is present. Carton contents are listed below. Hardware part numbers are shown in parentheses.

QTY	DESCRIPTION	PART NO.
(1)	Universal Bumper Assembly	(683-04219A)
(2)	Screw, 5-16-18 x 0.750	(710-1260A)
(2)	Quick Release Pin, .50 dia. x .50 lg.	(714-04061)
(4)	Flange Lock Nut, 5/16-18	(712-3004A)
(2)	Bumper Cap	(731-05674)
(2)	Shoulder Screw, 5/16-18 .437 x .268	(738-0296)
(2)	Shoulder Bolt, 3/8-16 .496 x .336	(738-0143)
(2)	Lock Nut, 3/8-16	(712-3000)

CONTENTS OF HARDWARE PACK

This Bumper kit is shipped with a hardware pack enclosed. This hardware pack may contain extra parts for installation on a different rider from which you have. Please check your hardware pack against the illustration below in accordance with your model of rider as determined in this manual.

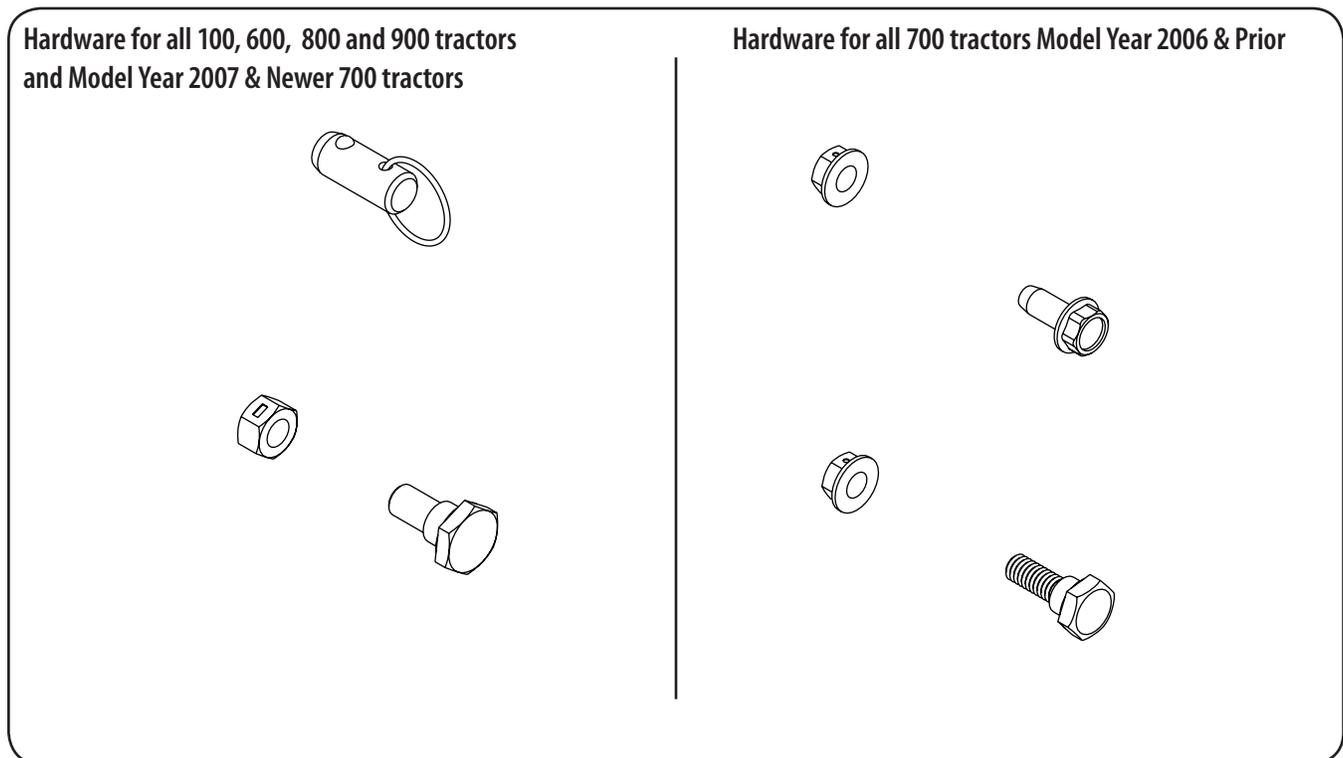


Figure 2-1

NOTE: Each item has been identified in above for ease of assembly, and the letter code assigned here is maintained in assembly instructions.

RH = Right Hand (#) = Quantity
 LH = Left Hand



WARNING! Before beginning installation, place the tractor on a firm and level surface. Place the PTO in the disengaged (OFF) position, stop the tractor engine and set the parking brake.

NOTE: References to LEFT and RIGHT indicate the left and right sides of the tractor when facing forward in the operator's position. Reference to the FRONT indicates the grille end; to the REAR the drawbar end.

Mounting Bumper to Model 100, 600, 800, 900 and Model year 2007 & Newer 700 Tractors



WARNING! Muffler may be hot! Make sure engine has cooled down before installing bumper.

NOTE: On some older units, a shoulder bolt may already be present. If this is the case, skip Step 1.

1. Install the two shoulder bolts onto the tractor as seen in

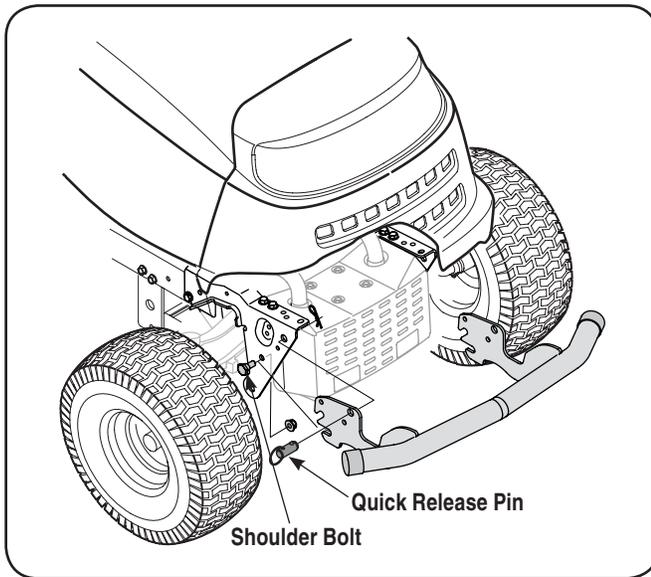


Figure 3-1

Fig. 3-1, and secure with two lock nuts from the hardware pack.

2. To mount the bumper to the tractor, hook the notched ends (slots) of the bumper onto the shoulder bolts on the sides of the tractor frame. See Fig. 3-1.
3. Align the holes in the bumper with the holes in the tractor frame and insert the quick release pin through the top hole of the bumper assembly from the outside as seen in Fig. 3-1. Repeat on the opposite side.

Mounting Bumper to Model Year 2006 and Prior 700 Series Tractors



WARNING: Muffler may be hot! Make sure engine has cooled down before installing bumper.

1. To mount the bumper to the tractor, slide the bumper over the front brackets, aligning the top-rear holes in the

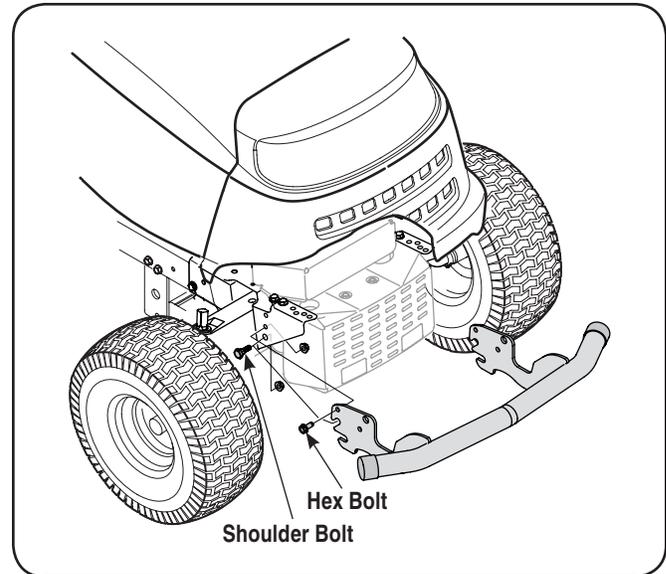


Figure 3-2

bumper over the upper rear holes in the bracket. See Figure 3-2.

2. Insert a 5/16-18" shoulder bolt, from the hardware pack, on each side of the tractor through the upper notched section of the bumper and then the aligning tractor mounting hole. Secure with a 5/16-18 flange lock nut from the hardware pack. See Fig. 3-2.
3. Insert a 5/16-18" hex bolt on each side from the outside through the holes and secure with the hex flange nuts. See Fig. 3-2.

IMPORTANT: If the tractor is equipped with a muffler guard between the tractor brackets, the hex bolts should be bolted into the guard. The nuts will not be necessary.